POOR LEGIBILITY

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PRELIMINARY ASSESSMENT

CONTINENTAL CARBON COMPANY
Route 4, Box 423K Stockdale Highway
Bakersfield, CA. 93307

ASPIS # 15-28-0242

Prepared by: Scott A. Flint
Hazardous Materials Specialist
Department of Health Services
Toxic Substances Control Division
Northern California Section

Date: November 23, 1987

EXECUTIVE SUMMARY

The Continental Carbon Co. site (site) is located approximately 13.5 miles west of Bakersfield, in Kern County, California. Continental Carbon Company operated a carbon black production facility at the site for approximately 19 years. During that time, waste disposal practices included direct discharge of process wash waters to at least three open percolation ponds. Disposal of unspecified types and quantities of laboratory reagents to a sanitary septic tank and leach system was also reported. Currently, soils on the site and the adjacent property are contaminated with particulate carbon black residues.

The California Department of Health Services (DHS) Abandoned Site Project identified the site by phone book on September 24, 1982. A Site Drive-by on February 8, 1983 reported that the plant was being dismantled. Concern was expressed about the presence of and disposal of asbestos, which was used on-site as insulating material for pipes in the processing building. Additional information is required to resolve this concern. Further information is also required to better understand the nature of the industrial wastes that were disposed of on-site to assess the health risks from the direct contact and/or inhalation of particulate carbon black residues on the soil surface.

Recommendation at the Federal level is No Further Action under CERCLA. Analysis of the HRS factors indicate that the site will not score high enough for inclusion on the National Priorities List (NPL). Recommendation at the State level includes a medium priority site inspection (SI). The SI should gather additional information to address the data gaps as outlined above.

SITE LOCATION

The Continental Carbon Co. site (site) is located approximately 13.5 miles west of Bakersfield, in Kern County, California. The site is situated to the south of Stockdale Highway near the intersection of Stockdale and Enos Lane. The last known mailing address was Continental Carbon Co. Route 4, Box 423 K Stockdale Highway Bakersfield, CA 93307. The latitude and longitude coordinates are: 35° 21'03" N and 119° 14'22" W (1,2).

SITE HISTORY

Description of Operations and Processes.

Continental Carbon constructed a carbon black manufacturing plant at the site in 1961. The plant operated until 1979-1980. The initial production capacity was reported at 38 million pounds per year of carbon black product, with a design capacity of 50 million pounds per year (3).

The oil furnace process was utilized at Continental Carbon (3). In the oil furnace process, a highly aromatic feed stock oil is converted to the desired grade of carbon black by partial combustion at 1400 to 1650 °C in a refractory lined steel reactor. From the reactor the pyrolyzed carbon black "smoke" is channeled into a tunnel where it is water-quenched to about 200 °C. Further along precipitators, cyclone scrubbers, or bag filters are used to separate the carbon black product from water vapor and the combustion off-gases. Following pulverization and grit removal the carbon black is normally pelletized for convenient bulk handling. Wet pelleting is the most common process, where the black is mixed with water and agitated in a trough, and then dried in a gas-fired dryer. Dry pelleting and oil pelleting processes are also used in the industry. It is unknown exactly which pelleting process or processes were used at Continental Carbon (4).

Types and Quantities of Wastes Produced.

Industrial wastes at the time of the plant's construction were projected to consist of approximately 180 gallons per minute of wash water, containing less than 2% carbon black. The waste water was discharged to two slurry sumps with any overflow going to a third sump. The suspended carbon black settled in the slurry sumps and was periodically removed. Sources of waste water discharge included wet-cyclone scrubber water, compressor cooling water, floor wash water and occasional backwash from a small zeolite water softener (3,5).

In 1968 one of the wet-cyclone scrubbers was replaced with a bag filter, reportedly cutting the volume of waste water nearly in half. The waste water flow reported during the Central Valley

Regional Water Quality Control Board (CVRWQCB) 1968 inspection was 50 to 75 gallons per minute. A second bag filter was added in 1969, reportedly eliminating the waste discharge from the scrubbers (5,6).

Domestic sewage was treated by means of septic tanks and a subsurface leach field. Change house shower wastes by-passed the septic tanks and discharged directly to the leach field. The 1968 CVRWQCB inspection report indicated that laboratory waste waters containing small amounts of common reagents were discharged into one of the domestic systems (5).

OWNERSHIP INFORMATION

The current property owner is the Witco Corporation. Their current address is P.O. Box 8587, Woodcliff Lake, New Jersey 07675. Phone: (201) 573-2800. Property at the site was formerly leased to Continental Carbon Co. by Witco (7).

CORPORATE INFORMATION

Continental Carbon Company filed a Statement and Designation by a Foreign Corporation with the California Secretary of State on August 22, 1960. The specific business proposed by Continental Carbon Company was "to manufacture, purchase, use and sell carbon black and all related products and by-products and to conduct all necessary related business activities." Designated agent of process for Continental Carbon Company was CT Corporation System of Delaware (2).

INSPECTION AND ENFORCEMENT HISTORY

The Central Valley Regional Water Quality Control Board (CVRWQCB) adopted industrial and domestic waste discharge requirements (WDR's) for Continental Carbon on July 20, 1961 (8,9). Requirements governing waste disposal were as follows:

1. The waste discharge shall not cause a nuisance by reason of odors or unsightliness.

2. The waste discharge shall not cause a pollution of adjacent surface or underlying ground waters.

The domestic WDR's were rescinded in 1977, as the waste discharge was adequately regulated by the Kern County Health Department (10). Continental Carbon was inspected by the CVRWQCB for industrial WDR compliance in 1962, 1963, 1967, 1968, 1969, and 1979. Each inspection report noted compliance with the established WDR's.

The California Department of Health Services (DHS) Abandoned Site Project identified the site by phone book on September 24, 1982. A Site Drive-by on February 8, 1983 reported that the plant was being dismantled. Concern was expressed about the presence of and disposal of asbestos, which was used on-site as insulating material for pipes in the processing building. The site was referred to Kern County Health Department on April 13, 1983 (11).

DHS Preliminary Assessment Team Drive-by on July 16, 1987 noted the presence of extensive deposits of carbon black in several locations within the site fence and on the adjacent property to the east of the site (12).

As of this date, no cleanup or closure activities have been documented by CVRWQCB, Kern County Health, or DHS.

OTHER AGENCY INVOLVEMENT

The California Department of Water Resources (DWR) is currently in the planning stages of developing a 25,000 acre groundwater recharge project to the south of the site. This project will result in elevated water levels in the aquifer beneath the site. Concerns involve water quality issues related to Continental Carbon's past disposal practices and the potential mobilization of any contaminants present in the subsurface zone beneath the site when water levels are increased (13).

PROPERTY DESCRIPTION

Section, Township and Range: Section 6, T30S, R26E, MDB&M
Assessors Parcel Number: 161-030-21
Zoning Designation: Heavy Industrial (M-3)

The site is located in a rural/agricultural area in Kern County. The site is bounded by Stockdale Highway to the north, agricultural and oil fields to the east and Southern Pacific Railroad tracks to the south and west (14,15).

The site consists of about 35 acres, a majority of which is open, ground sparsely covered with weedy vegetation. The site is abandoned and the plant has been partially dismantled. Six buildings remain on site, the largest of which housed the furnace and associated processing facilities. Seven storage tanks are located above the processing building. Capacity of these tanks is 750 barrels (bbl's) each. Three large storage tanks are located along the western rail spur and are surrounded by a dike. The capacity of these tanks is 5000 bbl's each. According to the Witco Corporation, there are no chemicals, liquids or gases currently stored in the tanks or buildings on the site. No underground storage tanks are known to exists at the site (7,12).

At the southern end of the property are two large impoundments (approximately 100'x75'x20'). The impoundments are empty, their walls are discolored by dusty-looking black deposits. To the west of the impoundments, the soil surface shows signs of recent heavy equipment activity. Within the diked storage tank area there are also signs of recent disturbance and trenching activity (12).

Two wells exist on the property. They are located near the center of the parcel and were identified by the presence of surface pump housings. The electrical power to these wells reportedly has been disconnected (7,12).

The perimeter of the property is secured by a 6 foot, barbed-wire topped, chain link fence and the gate is locked. The property is posted "NO TRESPASSING" (12).

SURROUNDING LAND USE

The immediately adjacent and surrounding lands are zoned for exclusive agriculture (A) (15). The following commercial crops are grown in the area on a rotational basis : alfalfa, barley, cotton and potatoes. A series of active oil wells are located to the southeast and Tenneco West Carbon Pipe yard is located to the east. North of Stockdale Highway are 8 to 10 domestic dwellings (1,12).

DEMOGRAPHICS

Population Within Three Miles.

The projection of a three-mile radius around the site encompasses a portion of Kern County census tracts 32.01, 37 and 38. The total estimated population for these three tracts in 1987 is 10,571. This figure is a projection based on 1980 census data. The actual population residing within the three mile radius is probably significantly less than this, as the site is not located near a major urban area. The random distribution of population centers in rural Kern County does not allow calculation of a more accurate estimate with available data (16,17).

Presence of Sensitive Populations.

Greely School lies approximately 2.75 miles northeast of the site. No other sensitive populations are known to exist within three miles of the site (1).

GEOLOGY

The entire lower San Joaquin Valley consists of a large composite alluvial fan system known as the Kern River Complex. The four general geologic units underlying the region are alluvium, the Tulare formation, Pre-Tulare sediments and the crystalline basement complex (13).

The alluvium is of Pleistocene to Recent age and consists of both older and younger units. The two alluvial units are almost indistinguishable, consisting of a complex of interbedded and discontinuous sand, gravel, silt and clay layers. Clay layers exist near the ground surface in the western portion of the valley explaining the presence of an extensive perched groundwater aquifer in this area. Evidence of clay lenses near the ground surface in the northwest portion T30S, R26E reveal potential areas of localized perched groundwater near the site (13).

The Tulare formation lies below the alluvium. Its thickness varies between 1000 and 2000 feet and it is somewhat less permeable than the alluvium, due to the presence of various mudstone layers. The Tulare formation is separated into upper, unconfined and lower, confined aquifer units by the Corcoran clay. The Corcoran clay consists of a geographically extensive deposit of red to light brown clay, with interbedding layers of sand and silt. The subsurface strata near the site is a a mixture of discontinuous layers indicating that the Corcoran clay is a semi-confining unit in this area (13).

Pre-Tulare sediments consists of marine sand deposits of Pleistocene to Eocene age. These strata are believed to yield little potable water. These rocks overlie the crystalline basement complex which makes up the Sierra Nevada Mountains (13).

SOILS

Soils near the site include various sandy and sandy loam soils, primarily Kibrelina, Cajon, Excelsior and Wasco types. These soil types are considered moderate to rapidly permeable. The soils on-site are described as highly permeable, with permeabilities ranging from 1.4 to $4.2*10^{-3}$ cm/sec (2 to 6 in/hr) (13).

DESCRIPTION OF AQUIFER

Groundwater Gradient.

In general, groundwater in the area moves radially toward the northwest, west, and southwest from an elongated groundwater mound centered beneath the Kern River (13).

Mapping of groundwater surface elevations in the unconfined aquifer for spring 1986 indicate that the general direction of groundwater movement near the site is to the northwest. The hydraulic gradient near the site is reported to be about 25 feet per mile toward the northwest. Since 1961 the general direction of groundwater movement has remained unchanged, although pumping depressions have altered flow directions somewhat in localized areas south of the Kern River (13,18).

The following regional aquifer hydraulics are summarized from existing literature and presented in CDM's Toxic Assessment Study:

Specific capacity 20 to 80 gpm/ft
(Estimated at approximately 60 to 80 gpm/ft near the site.)

Transmissivity 50,000 to 250,000 gpd/ft
(Estimated at approximately 250,000 gpd/ft near the site.)

Depth to Groundwater.

Depth to perched groundwater in the summer of 1985 was approximately 10 feet. Depth to groundwater in the unconfined aquifer in spring was approximately 100 feet (18).

A composite aquifer hydrograph for well C1 located in section 10, T30S, R25E, indicates that the water table depth in this area fluctuated between 40 and 190 feet during the period from 1949 to 1982 (13).

Two water wells were drilled on site in January 1961. DWR well data for these wells indicates that groundwater was first encountered at a depth of 72 feet (19).

Water Quality.

The quality of groundwater in the unconfined aquifer varies widely throughout the lower valley, with a total dissolved solids concentration ranging from 120 ppm to over 10,000 ppm. Groundwater near the site is of excellent quality for domestic use with a dissolved solids concentrations of approximately 146 ppm (18).

Groundwater quality in the confined aquifer varies within the same TDS ranges, but in most areas it is considered to be of good to excellent quality. Groundwater in the confined aquifer near the site is of excellent quality with a TDS concentration ranging from 160 ppm to 180 ppm (18).

DISTANCE TO NEAREST WELL AND POPULATION SERVED

Department of Water Resources well logs were collected for 14 wells within approximately two miles of the site. Nine of the wells are listed for domestic use and five wells are listed for irrigation use. Of the nine domestic use wells, seven are relatively shallow (250 to 400 feet) and are drawing from the upper, unconfined aquifer. Two are relatively deep (495 and 525 feet) composite wells, screened in and drawing from both aquifers. Of the five irrigation use wells, two are unconfined wells and three are composite wells (19).

SURFACE WATER

The nearest downgradient surface water flows in the Pioneer Canal, located approximately 800 feet south of the site. The surface slope to the canal is <1% and the canal is flanked by an artificial levee (1).

CLIMATIC DATA

Precipitation and Seasonal Distribution.

The average annual precipitation as reported by the National Oceanic and Atmospheric Administration (NOAA) for the Bakersfield area is 6.61 inches (record years 1977-1986) (20). The average annual evaporation (class A pan) as reported by DWR for the same period is 63.38 inches (21). The average annual net precipitation is -57.07 inches.

Approximately 52% of the average annual precipitation falls during the months of January, February, and March. The average annual precipitation for this three month period is 3.94 inches.

The average annual evaporation is 6.95 inches, and the net is -3.01 inches. The month of January has the single highest average net precipitation, -0.09 inches (20,21).

The maximum 24 hour rainfall for the area, 3.02 inches was recorded in February 1978 (20).

Temperature.

The average daily maximum summer temperatures (^{o}F) are as follows: June 93.2, July 100.7, August 97.9 and September 92.9. Recorded extremes for the above months are 114, 114, 114, and 113 respectively (20).

The average daily minimum winter temperatures are: November 37.5, December 34.9, January 33.7 and February 37.0. Recorded extremes for the above months are 21, 15 13, and 19 respectively (20).

Wind.

The average annual wind speed is 6.4 mph (5.5 knots). Average monthly wind speed is greatest in the months of May and June, 7.9 and 7.9 mph (6.8 knots), respectively. The prevailing wind direction is northwest from March to October and varies between east, northeast, and northwest from November to February (20).

Record peak gust, 58 mph (50.2 knots) was recorded in February, 1986 (20).

CONTAMINANTS

Contaminants at the site include surficial deposits of carbon black product. In this form, the carbon black is a relatively heavy, inert particulate and is insoluble in water.

Polynuclear aromatic compounds (PNA's) occur in natural products such as coal and crude oil. They are generally associated with incomplete combustion of organic materials and are found in smoke from wood, coal, oil and tobacco as well as in tar. PNA's are relatively difficult to remove from waste waters (22). The PNA's are tightly bound to the carbon black particles and are relatively immobile.

Many PNA's are considered highly toxic and are slowly degraded in the environment. Many possess potential for bioaccumulation, carcinogenicity and mutagenicity and their behavior in the environment at trace concentrations is poorly understood (22).

The following information for some common PNA contaminants is summarized by Sax (23).

Benzo(a)pyrene - Sax toxicity rating is 3. Carcinogenic determination: animal positive. It is an experimental carcinogen and teratogen. A common contaminant of water, food and smoke.

Benzo(e)pyrene - Sax toxicity rating is 3. Carcinogenic determination: Animal suspected. Suspected experimental carcinogen.

Dibenz(a,h)anthracene - Sax toxicity rating is 3. Carcinogenic Determination: Animal positive. An experimental carcinogen.

CONCLUSIONS

Continental Carbon Company operated a carbon black production facility at the site for approximately 19 years. During that time, waste disposal practices included direct discharge of process wash waters to at least three open percolation ponds. Disposal of unspecified types and quantities of laboratory reagents to a sanitary septic tank and leach system was also reported. Currently, soils on the site and the adjacent property are contaminated with particulate carbon black residues.

Concerns over disposal of asbestos pipe insulation raised at the time of the plant's destruction have not been resolved to date. Additional information is required to resolve this concern. In addition, further information is required to better understand the nature of the industrial wastes that were disposed of on-site to assess the health risks from the direct contact and/or inhalation of particulate carbon black residues on the soil surface.

HAZARD RANKING (HRS) FACTORS

Direct Contact/Fire and Explosion.

At the present time, the chance for direct contact with surficial deposits of carbon black is small. The site is fenced and posted to restrict access. The surficial contamination outside the fenced area is not extensive and this property is currently surrounded by oilfield operations. The particulate carbon black is not easily dispersed by winds.

There are reportedly no chemicals, liquids or gases stored on-site. The deposits of carbon black on the soil do not pose a fire or explosion hazard.

Groundwater.

Solid carbon black particles are insoluble and are not likely to migrate through the soils to groundwater. PNA's in the surficial carbon black deposits are chemically bound to the carbon and are relatively immobile.

Surface Water.

The carbon black deposits do not pose a threat to surface water. Due to the low amount of rainfall in the area and the flat topography at the site, excessive runoff is not likely. The closest downgradient surface water is protected by an artificial levee.

Other Factors.

The random distribution of population centers in rural Kern County does not allow an accurate calculation of the population within three miles of the site. There are no major population centers within this radius; however, residences in the area are scattered and many appear new. Additional information will be needed if the site is found to pose a significant threat.

RECOMMENDATIONS

EPA Recommendation.

Recommendation at the Federal level is No Further Action under CERCLA. Analysis of the HRS factors indicate that the site will not score high enough for inclusion on the National Priorities List (NPL).

DHS Recommendation.

Recommendation at the State level includes a medium priority site inspection (SI). The SI should gather additional information to address the following:

1. Determine if the original asbestos problem at the site has been addressed or if a problem still exists;

2. Determine the exact types of industrial processes that were in operation at the site;

3. Determine if any additional types of raw materials, chemicals, and/or solvents were used and disposed of on-site; determine if their presence poses a hazard;

4. More accurately assess the health risks from, and the likelihood of, direct contact and/or inhalation of the particulate carbon black residues on the soil surface.

5. More accurately determine the potential population at risk residing near the site.

P.A. REFERENCES

1. Stevens, CA. Quadrangle, 7.5 minute. U.S. Geological Survey (USGS). 1954, photorevised 1968 and 1973.

2. Statement and Designation by a Foreign Corporation, Continental Carbon Company. CA. Secretary of State Office. August 22, 1960. Amendment filed January 21, 1975.

3. Supplemental information to Continental Carbon Company File at CVRWQCB. Undated.

4. Shreve, R.N. and J.A. Brink, Jr. Chemical Processes Industries 4th Ed. Mc Graw-Hill Book Company. 1977.

5. Memorandum from P.E. Jeperson to Charles T. Carnahan, CVRWQCB. Requirement Checking, Continental Carbon Company. October 25, 1968.

6. Memorandum from P.E. Jeperson to Charles T. Carnahan, CVRWQCB. Requirement Checking, Continental Carbon Company. August 19, 1969.

7. Letter from Witco Corporation to William Brook Baxter, CA. DWR. August 10. 1987.

8. Resolution 61-76 Industrial Waste Discharge Requirements, Continental Carbon Company. Central Valley Regional Water Pollution Control Board (now CVRWQCB). Adopted July 20, 1961.

9. Resolution 61-75 Domestic Waste Discharge Requirements, Continental Carbon Company. Central Valley Regional Water Pollution Control Board (now CVRWQCB). Adopted July 20, 1961.

10. CVRWQCB Order No. 77-65 Rescinding Various Waste Discharge Requirements. Paragraph a. April 22, 1977.

11. Site Tracking Sheet. DHS. January 27, 1987.

12. Site Drive-by Record. S. Flint and B. Padilla. DHS, Toxic Substances Control Division. July 16, 1987.

13. Kern Water Bank Toxics Assessment Study, Final Report. Prepared for CA. DWR. Camp, Dresser & McKee Inc. pp. 4-1 to 4-12. August 1987.

14. Assessor's Parcel Map. Bk. 161, Pg. 3. County of Kern. Undated.

15. Zoning Map #121. Kern County Department of Planning and Development Services. January 19, 1970. Last amended February 26, 1979.

16. Map of Kern County 1980 Census Tracts. Kern County Planning Department.

17. Kern County Population, 1980-2010 by Census Tract and census County Division. June 1,1986 update.

18. Water Supply Report 1985. KCWA. May, 1986.

19. DWR Water Well Drillers Report. Confidential.

20. Local Climatological Data - Annual Summary with Comparative Data, Bakersfield, California. NOAA. 1986.

21. Summary of Agroclimatic Data, Bakersfield 10 NW Agroclimatic Station. DWR 1977-1986 records.

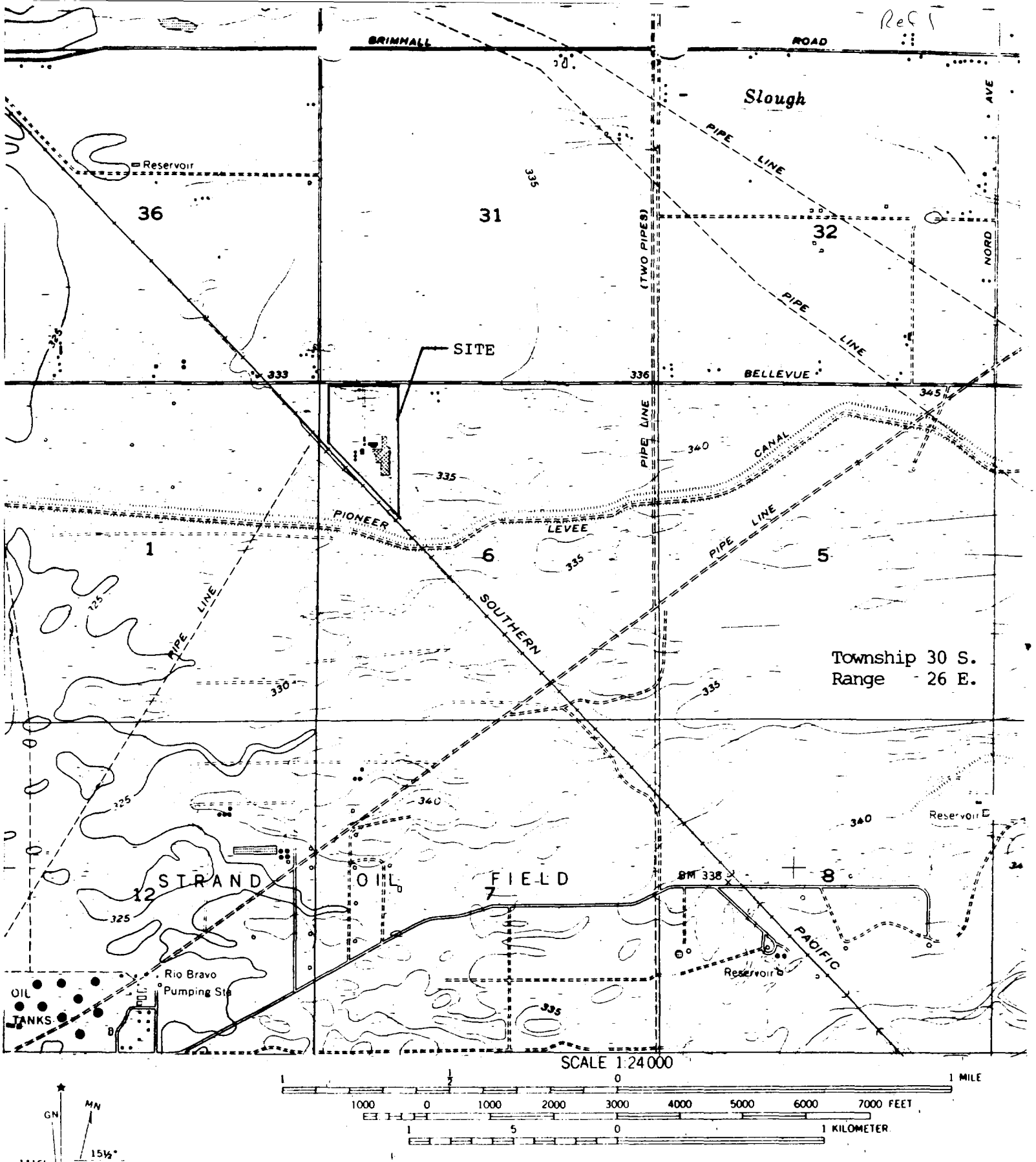
22. Sims, R.C. and M.R. Overcash. Fate of polynuclear aromatic compounds (PNAs) in soil-plant systems. In Residue Reviews, vol. 88. Springer-Verlag New York, Inc. 1983.

23. I.N. Sax. Dangerous Properties of Industrial Materials, Sixth Edition. Norstrand Reinhold Co. 1984.

APPENDIX A: MAPS

Map 1. GENERAL LOCATION

Continental Carbon Co.
Kern County, CA.



Map 2. SITE LOCATION

Continental Carbon Co.
Kern County, CA.

STEVENS, CALIF.

N3515—W11907.5/7.5

1954
PHOTOREVISED 1968 AND 1973
AMS 2154 I SW—SERIES V895

USGS 7.5'

APPENDIX B: CONTACT REPORTS

AGENCY CONTACT RECORD

AGENCY	CONTACT	DATE	RESPONSE
DOR FRESNO 3374 E. SHIELDS AVE.	DENNIS WILLIAMS (209) 445-5044 ATSS 421-	16 July 1987	OK TO VIEW & COPY WELL LOG DATA
CVRWQCB FRESNO	RUBEN MORENO (209) 445-5116	16 July 1987	WILL CHECK FOR FILES OK TO VIEW
KERN COUNTY ASSESSORS OFFICE 1415 TRUXTUN AVE	(805) 861-2311 BAKERSFIELD	16-17 July 1987	PARCEL MAPS AND CURRENT TAX ROLL INFO. AVAILABLE
KERN COUNTY PLANNING DEPT. 1356 NORRIS RD.	CHERYL A. CASSORAH PLANNER (805) 861-2615 BAKERSFIELD	17 July 1987	PLANNING INFO AND MAPS AVAILABLE.
KERN COUNTY ENV. HEALTH BAKERSFIELD	JOHN HARRIS (805) 861-3636	17 July 1987	OK TO VIEW FILES BAKERSFIELD AG, KELCO ROTARY CONTINENTAL CARBON

APPENDIX C: SITE DRIVE-BY RECORD AND PHOTOGRAPHS

Ref 12

ABANDONED SITE PROGRAM DRIVE-BY RECORD

Site Name: CONTINENTAL CARBON CO.

Site Location: BOX 423 K STOCKDALE HIGHWAY
BAKERSFIELD CA. 93307 KERN COUNTY

Facility File Number: 15-29-0242

1. Status a. Active ( ) b. Different Company ( )
Inactive (X) _____

2. Setting a. Urban ( ) b. Residential ( ) c. Near: RR tracks (X)
Suburban ( ) Commercial ( ) Drainage ( )
Rural (X) Industrial ( ) Freeway ( )
Agricultural (X) Other _____ Other _____

d. Paved ( ) e. Restricted access (X)
Unpaved ( ) Unrestricted access ( )
Partially paved (X)

3. Waste a. Hazardous ( ) b. Liquid ( ) c. Undetermined ( )
Municipal/Garbage ( ) Sludge ( ) None visible ( )
Inert (X) Solid ( ) Other _____

4. Waste Containment a. Pond (X) b. Drum/Bbl ( ) d. To: Ground (X)
Sump ( ) Pail/Can ( ) Paving ( )
Pit ( ) Trash can ( ) Drain ( )
Dumpster ( ) Other _____
Box/Pallet ( )
c. Piled ( ) Bag/Sack ( ) Tanks ( )
Scattered (X) Vehicle ( ) Others _____

5. Misc. a. Odors NONE c. Vegetation _____
b. Topography FLAT d. Site observability EXCELLENT

6. Estimate the number of people living and/or working in the immediate vicinity of the site. 18 DWELLINGS TO N IMMEDIATELY ACROSS HIGHWAY

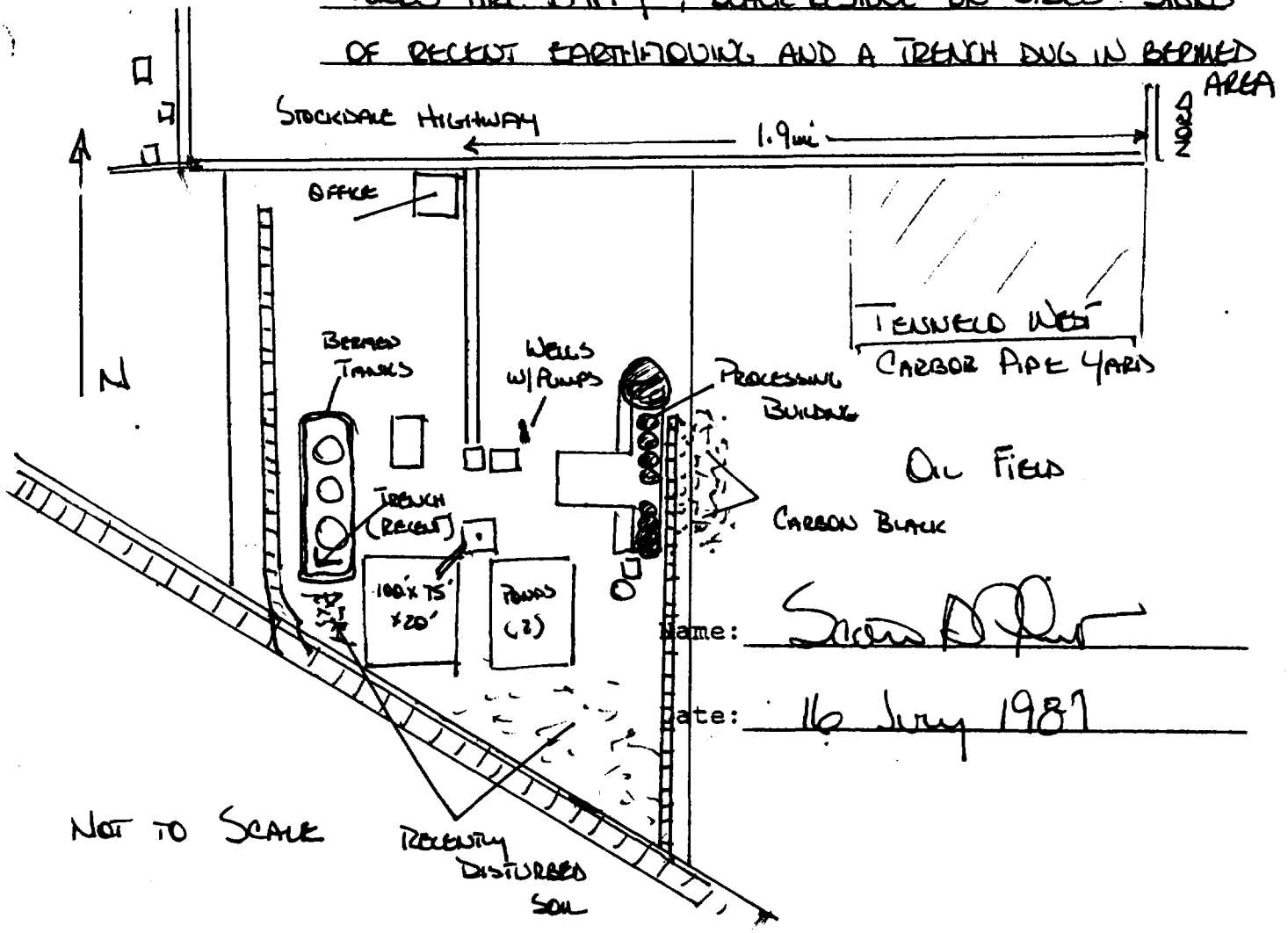
7. Estimate the distance to food processing/packaging or agricultural production. IMMEDIATELY ADJACENT TO NE.

8. Any schools, hospitals, nursing homes, day care centers, or other "sensitive" populations within NONE.

9. Proximity to sensitive environment/ecosystem _____.

10. Map & Comments — A graphic site description. In addition to above, draw, describe, and comment on the following: buildings, paving, storage (raw material and products), security, vacant areas, and housekeeping. Also identify streets, landmarks, directions, etc.

SITE IS 1.9 MI WEST OF NORD RD. ON S. SIDE OF HIGHWAY. ROAD IS PAVED ? PART OF RAILROAD SPUR EAST OF BUILDINGS PROCESSING BUILDING & RAIL SPUR ? GROUND COVERED W/ CARBON BLACK SITE IS FENCED & LOCKED, POSTED NO TRESPASSING. PONDS ARE EMPTY, BLACK RESIDUE ON SIDES SOUND OF RECENT EARTHMOVING AND A TRENCH DUG IN BERMED AREA



Name: [signature]

Date: 16 July 1987

Photo 1. Overview of site, looking N to E.

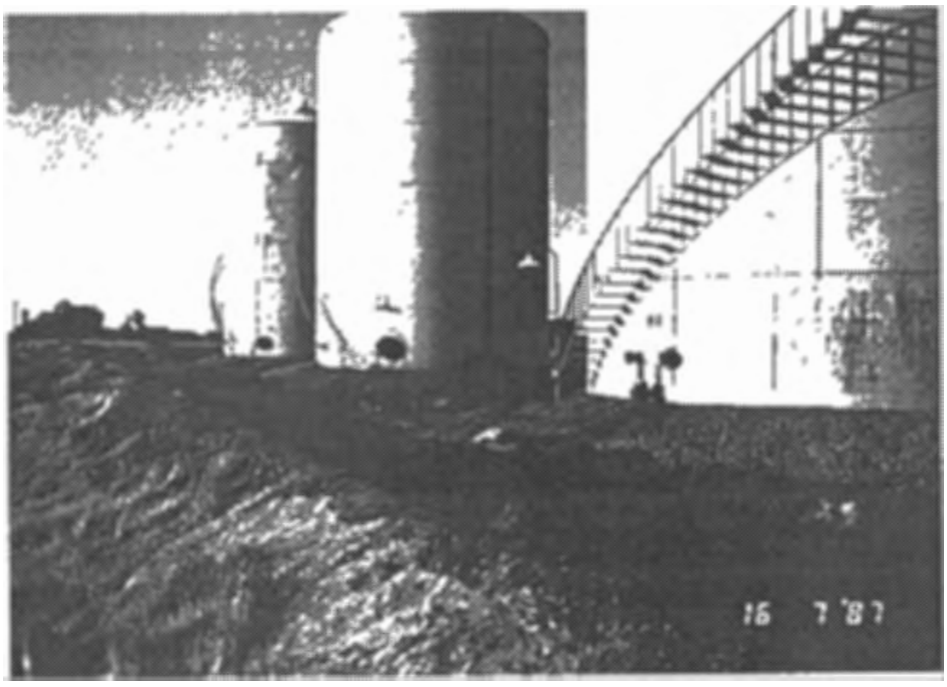
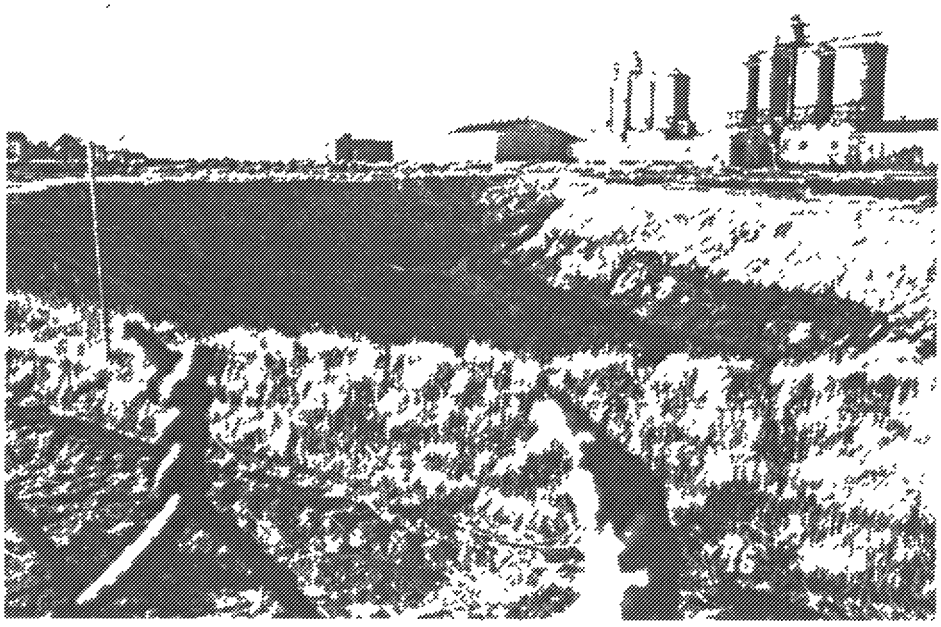
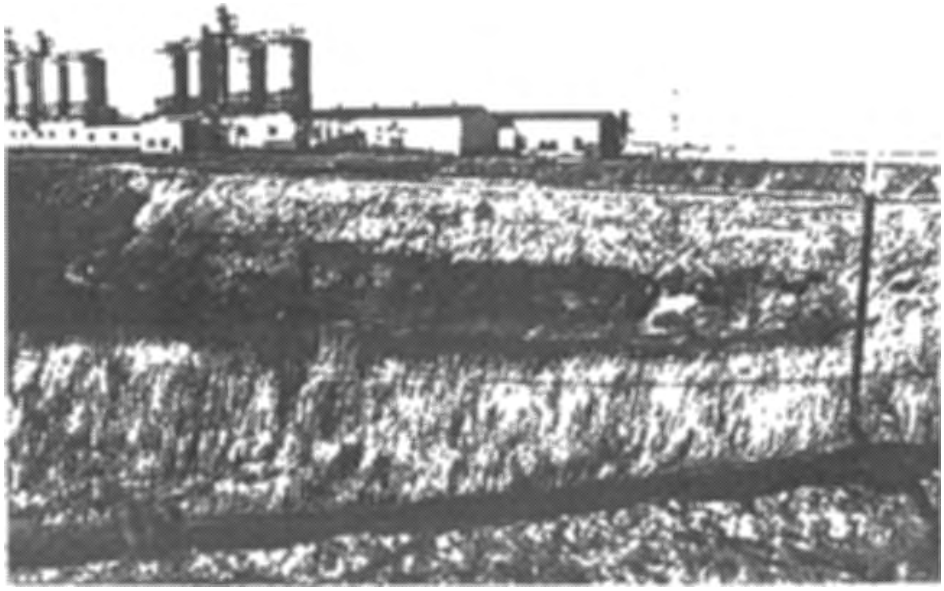
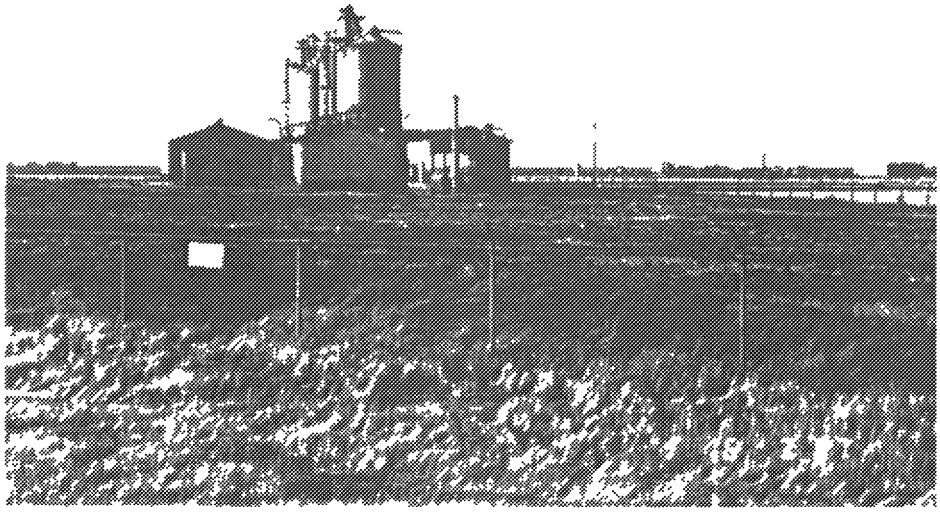
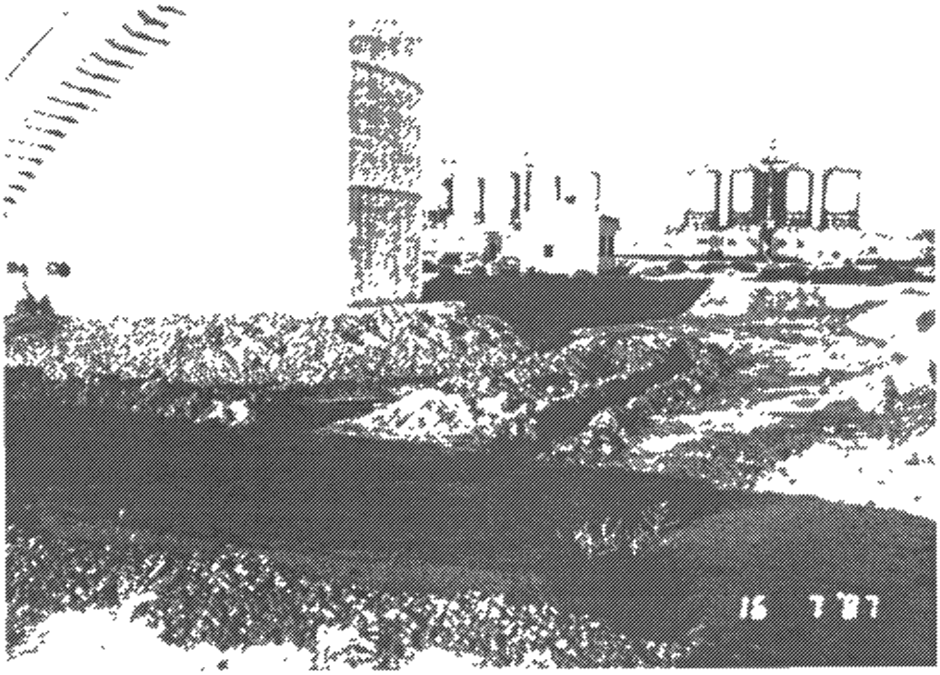


Photo 2. View of large storage tanks on W side of property









State of California
OFFICE OF THE SECRETARY OF STATE

I, *MARCH FONG EU*, Secretary of State of the State of California, hereby certify:

That the annexed transcript was prepared by and in this office from the record on file, of which it purports to be a copy, and that it is full, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this

SEP 23 1987

March Fong Eu

Secretary of State

401373

FILED
In the Office of the Secretary of State
of the State of California

AUG 22 1960

FRANK M. JORDAN, Secretary of State
By [signature] Deputy

STATEMENT AND DESIGNATION BY FOREIGN CORPORATION

CONTINENTAL CARBON COMPANY
(Name of corporation)

a corporation organized and existing under the laws of the State of Delaware
(State of place of state of incorporation)
. makes the following statements and designation

1. The location and address of its main office is
4848 Guiton Street, Houston, Texas
(Insert complete address of principal business office wherever located)

2. The location and address of its principal office in the State of California is Security Building, Fifth and Spring Streets, Los Angeles 13, California, c/o C T Corporation System
(Insert complete address of principal business office in California)

3. The specific business it proposes to transact in the State of California is:

To manufacture, purchase, use and sell carbon black and all related products and by-products and to conduct all necessary related business activities.

To acquire by purchase, lease or otherwise oil and gas lands, to produce therefrom oil, gas or other volatile and mineral substances. To purchase, lease, hold, use or sell real or personal property necessary in the conduct of business activities.

4. (a) C T CORPORATION SYSTEM, a corporation
(Name of corporate agent)
organized and existing under the laws of DELAWARE
is designated as agent upon whom process directed to the said
CONTINENTAL CARBON COMPANY
(Insert name of corporation making statement)
may be served within the State of California, in the manner provided by law. (b) The name of the city, town or village wherein said corporate agent has an office, as set forth in the certificate filed by said corporate agent pursuant to Section 6403.5 or 6403.6, California Corporations Code, at which the said CONTINENTAL CARBON COMPANY
(Insert name of corporation making statement)
may be served is
Los Angeles
(Insert name of city, town or village and street address)

CONTINENTAL CARBON COMPANY

[illegible] process directed upon the agent designated above and to [illegible] Secretary of State of California if the agent so designated or the agent's successor is no longer authorized to act or cannot be found at the address given.

CONTINENTAL CARBON COMPANY

(Name of Corporation)

By [signature] President
(Title)

INSTRUCTIONS:

1. This Statement and Designation must be filed in *duplicate*.

2. This statement must be signed by the president, a vice president, the secretary, an assistant secretary, or the treasurer of the corporation.

3. There must be annexed to this statement a certificate by the public officer of the state or country having custody of the original articles or certificate of incorporation or of the act creating the corporation, or by a public officer authorized by the laws of such state or country to make such certificate, to the effect that the corporation making the statement is an existing corporation in good standing in the state or country of its incorporation.

4. If the corporation change its name or if there be any change in any of the statements made in this statement, then the corporation must file an Amended Statement and Designation, a form of which may be obtained from the Secretary of State.

State of Delaware

Office of Secretary of State

I, George H. Schultz, Secretary of State of the State of Delaware

do hereby certify that the certificate of Incorporation of the WITCO CARBON COMPANY, was received and filed in this office the fifth day of November, A.D. 1936, at 9 o'clock A.M.;

And I do hereby further certify that the said "WITCO CARBON COMPANY filed a Certificate of Amendment of Certificate of Incorporation changing its corporate title to "CONTINENTAL CARBON COMPANY", on the fifth day of March, A.D. 1937, at 1 o'clock P.M.

And I do hereby further certify that the aforesaid Corporation is duly incorporated under the laws of the State of Delaware and is in good standing and has a legal corporate existence so far as the records of this office show and is duly authorized to transact business;

And I do hereby further certify that the said "CONTINENTAL CARBON COMPANY is the last known title of record of the aforesaid Corporation.

In Testimony Whereof, I have hereunto set my hand and official seal at Dover this fifteenth day of August in the year of our Lord one thousand nine hundred and sixty.

George H. Schultz
Secretary of State

Asst. Secretary of State

A151911

Amended
Statement and Designation by Foreign Corporation

Continental Carbon Company, a corporation organized and existing under the laws of the State of Deleware, and which is presently qualified for the transaction of intrastate business in the State of California, makes the following statements and/or designation:

1. That the name of the corporation has been changed to that hereinabove set forth and that the name relinquished at the time of such change was --

2. That the location and address of its main office has been changed and the new location and address of its main office is --

(Insert complete address of principal business office wherever located—Do not use post office box)

3. That the location and address of its principal office in the State of California has been changed to at carbon black plant located 15 miles Northwest of Bakersfield on Stockdale Highway, Route 4, Box 423-K, Bakersfield, California 93307

(Insert complete address of principal business office in California—Do not use post office box)

4. The specific business it proposes to transact in the State of California has been changed and the specific business it now proposes to transact in the State of California is --

6. (Use this paragraph if the new process agent designated herein is a natural person.)

**

a natural person residing

in the state of California whose complete business or residence address is **

is hereby designated as its new agent upon whom process directed to the corporation may be served within the State of California in the manner provided by law.

7. (Use this paragraph if the new process agent designated herein is a corporation. See Instructions.)

** , a corporation

organized and existing under the laws of

is designated as new agent upon whom process directed to the undersigned corporation may be served within the State of California, in the manner provided by law. The name of the city, town or village wherein said corporate agent has an office, as set forth in the certificate filed by said corporate agent pursuant to Section 3301.5 or 3301.6 (if a domestic corporation) or pursuant to Section 6403.5 or 6403.6 (if a foreign corporation) California Corporations Code, at which the undersigned corporation may be served is

CONTINENTAL CARBON COMPANY
(Name of Corporation)

By /s/ Harold F. Shea
Harold F. Shea
Senior Vice President

INSTRUCTIONS

1. Use only whichever of the foregoing paragraphs of this Amended Statement are applicable.

2. If this Amended Statement shows a change of corporate name, there must be attached to this Amended Statement a certificate of the public officer having custody of the original corporation documents in the state or place of incorporation to the effect that such change of name was made in accordance with the laws of the state or place of incorporation.

3. No domestic or foreign corporation may be designated as agent for the service of process unless it has filed with the Secretary of State the certificate provided for by Sections 3301.5 or 6403.5, respectively, California Corporations Code.

4. For filing and recording this Amended Statement there is a fee of $7.00.

Ref 3

Supplemental Information
Continental Carbon Company
Kern County

The Continental Carbon Company is constructing a plant for the manufacture of carbon black from fuel oil west of Bakersfield in Kern County. Initial capacity is 38,000,000 lbs. per year with a design capacity of 50,000,000 lbs. per year. Plant will operate three shifts and have a total of 45 employees.

Domestic sewage will be treated by means of septic tanks and discharged to sub surface leeching fields for disposal. Change house shower wastes will by-pass the septic tanks and discharge directly to the leeching fields. Industrial waste will consist of approximately 180 gallons per minute of wash water containing less than 2 % carbon black, with a small quantity of boiler slow down and occasional backwash from a small zeolite water softner. These wastes will discharge to either of two small percolation sumps located on the plant property.

No threat of pollution or nuisance is anticipated from materials to be found in the waste waters. However, requirements are designed to prevent the discharges from causing nuisance or pollution by any means.

Ref 5

MEMORANDUM

TO: Charles T. Carnahan
FROM: P. E. Jepperson
SUBJECT: Requirements Checking, Continental Carbon Company

On 17 October 1968 I visited the subject carbon black manufacturing plant to ascertain compliance of the discharge with the Board's requirements. Inspection was made in company with Mr. Ireland, Assistant Manager.

Domestic wastes are treated and disposed of in two septic tank/dry well systems. One of these was replaced during the past year because of failure of the leaching field. Laboratory waste waters containing small amounts of common reagents are discharged into one of the domestic systems.

Industrial waste waters are discharged to two slurry sumps, with any overflow going to a third sump. These wastes consist of compressor cooling water, floor wash water and wet-cyclone scrubber water. The only material present in these waters other than naturally occurring minerals is suspended carbon black, which settles in the slurry sumps and is periodically removed. At the time of my inspection one sump was dry, one contained a few feet of black liquid and the third was being cleaned. A flow of 50 to 75 gpm was entering the second sump. No odors, nuisance conditions or evidence of overflows were present.

Mr. Ireland mentioned that one of the two wet cyclone scrubbers was taken out of service during the past year and replaced with a bag filter, cutting the volume of waste water nearly in half. The remaining cyclone will probably be removed in the near future.

My inspection indicates that these discharges are currently meeting the Board's requirements.

10/25/68 pej/jw

cc: Continental Carbon Co.

R.C.6

MEMORANDUM

TO: Charles T. Carnahan
FROM: P. E. Jepperson
SUBJECT: Requirements Checking, Continental Carbon Company

On 17 July 1969 I visited the subject carbon black manufacturing plant to ascertain compliance of the discharge with the Board's requirements. Inspection was made in company with Mr. Ireland, Assistant Manager.

Domestic wastes are treated and disposed of in two septic tank/dry well systems. The soil overlying these systems was found to be dry, indicating that the wastes are contained underground.

Industrial wastes, consisting of compressor cooling water and floor wash waters, are disposed of in three percolation and evaporation sumps. Two of these sumps were observed to be half full of liquid and the third was dry, indicating ample capacity to contain the wastes. Waters discharged to these sumps contain suspended carbon black particles but are otherwise unchanged from the water supply. A third source of waste, from wet cyclone scrubbers, has been eliminated with the installation of a second bag filter.

My inspection indicates this discharge is currently meeting the Board's requirements.

8/19/69 pej/jw

cc: Continental Carbon Co.

John - FYI
Ref 7

Witco

Witco Corporation, P.O. Box 8587, Woodcliff Lake, New Jersey 07675 Telephone 201-573-2800

August 10, 1987

Mr. William Brook Baxter
Real Estate Branch
Division of Land and Right of Way
Department of Water Resources
P. O. Box 388
Sacramento, CA 95802

Re: Continental Carbon, Bakersfield, Ca.
Temporary Entry Permit

Dear Mr. Baxter:

We are responding to your letter of June 1, 1987 requesting temporary access to our property, formerly leased to Continental Carbon, in Bakersfield, Ca. Over the past two months we have received and responded to inquiries from Camp Dresser McKee, whom we believe to be the Division of Water Resources' consultant for the Kern County Groundwater Banking Project Feasability Study. We believe we have answered all the questions that CDM had. A copy of our response to CDM is enclosed for your information.

Should the Department or Camp Dresser Mckee have any further specific questions or requests, we will try to accommodate you. We do not wish to grant the blanket Temporary Entry Permit you have requested, however.

Please call if I can be of further assistance at 201/573-4719.

Sincerely,

WITCO CORPORATION

E. J. Malley
Manager,
Environmental Projects

EJM/ab

encl.

Witco

Witco Corporation, P.O. Box 8587, Woodcliff Lake, New Jersey 07675 Telephone 201-573-2800

July 13, 1987

Mr. Frank Postillion
Project Engineer
Camp Dresser & McKee, Inc.
2302 Martin Street
Irvine, Ca. 92715

RE: Point and Non Point Source Assessment
Kern County Groundwater Banking Project
Continental Carbon, Bakersfield, Ca.

Dear Mr. Postillion:

We are responding to your letter of May 12, 1987, regarding the Continental Carbon property located at 27000 Stockdale Highway, Bakersfield, Ca. Witco has acquired Continental Carbon and currently owns the property. Future correspondence if required, will be directed to my attention. We have researched your questions and reached the following conclusions:

1. There are ten empty aboveground storage tanks at this facility. Seven of these tanks are located along the eastern rail spur. Capacity of these tanks is 750 barrels each. Three tanks are located along the western rail spur. Capacity of these three tanks is 5000 barrels each. To the best of our knowledge, there are no underground tanks.

2. There are no chemicals, liquids or gases stored in tanks or buildings at the facility. During plant operations, petroleum oils were converted to carbon black and blended with molasses.

3. Minor spills have occurred within the diked area surrounding the 5000 bbl tanks. These petroleum oil spills have all been contained within the diked area.

4 & 5. Brine was never handled on site or generated in the carbon black manufacturing process.

6. Water wells (2) are on site and are useable, although power to the pumps has been disconnected. These two wells were installed in 1961. Well logs are attached for your information. To the best of our knowledge, no other wells exist on the property, and no wells have been abandoned or destroyed. We have no records of water quality or depth other than the well logs.

We hope this answers your questions concerning the property. Please contact me at (201) 573-4719 if there are any questions.

Sincerely,

WITCO CORPORATION

Edward J. Malley
Manager, Corporate Engineering

EJM:jme

cc: A. Abram - NYO
P. Colella - WL
L. Gilbert - NYO
W. Grabarek - M. P.
H. Rosenblatt - WL
B. Williams - WL
C. E. File

ATTACHMENT NO. 1

DUPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. ____
(Appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Continental Carbon Company

No 00501

State Well No. ____
Other Well No. 30S/26E-

(1) OWNER:

Name The Ralph M. Parsons Company
Address 617 West 7th Street
Los Angeles 17, California

(2) LOCATION OF WELL: Carbon Black Plant
County Kern Owner's number, if any Contract 1-SC-1852-1-R1
R. F. D. or Street No. Well No.1
Sec. 6 Twp. 30S. Range 26 E. M.D.
1/4 Mile East of Superior Road
1/2 Mile South of Stockdale Highway
80 ft. South of Well No.2

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	402	10"	10ga.
of liner			
262	395	8"13/16" ID wall (9" 3/16" OD)	

If gravel packed: Yes

Diameter of Bore	from ft.	to ft.
20"	0	72
15-3/4"	72	395

Type and size of shoe or well ring Point
Size of gravel Birdseye
Describe joint Welded

(7) PERFORATIONS:

Type of perforator used Clean cut
Size of perforations 1" cc. in., length, by 1/8" in.

From ft.	to ft.	Perf. per row	Rows per ft.
82	395	3" Centers	

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 72 ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From 0 ft. to 72 16 inch 12 gage
Conductor pipe.
Method of Sealing Cemented in.

(9) WATER LEVELS: Farm Implement & Engine Co.

Depth at which water was first found 72 ft.
Standing level before perforating ____ ft.
Standing level after perforating 75 ft.

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom?
Yield: ____ gal./min. with ____ ft. draw down after ____ hrs.
Temperature of water ____ Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 402 ft. Depth of completed well 402
Formation: Describe by color, character, size of material, and structure.

ft.	to ft.	Formation
0	8	Sandy soil
8	18	Sand
18	26	Yellow clay
26	32	Sand
32	40	Yellow clay
40	48	Sand
48	58	Yellow clay
58	65	Sand
65	78	Yellow clay
78	92	Sand
92	100	Yellow clay
100	114	Coarse sand
114	125	Yellow clay
125	142	Coarse sand
142	155	Yellow clay
155	172	Coarse sand
172	184	Yellow clay
184	198	Coarse sand
198	210	Yellow clay
210	225	Coarse sand
225	235	Yellow clay
235	245	Coarse sand
245	256	Yellow clay
256	270	Coarse sand
270	278	Yellow clay
278	295	Coarse sand
295	308	Yellow clay
308	320	Coarse sand
320	332	Yellow clay
332	350	Coarse sand
350	365	Yellow clay
365	387	Coarse sand
387	402	Yellow clay

These data are restricted to governmental agencies only ... (Sec. ... 7076 ... Water Code)

Work started 12-1 19 60. Completed 12-18-

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME D.W. Slocum Water Well Drilling
(Person, firm, or corporation) (Typed or printed)
Address 1900 Ming Road
Bakersfield, California
MARY E. SLOCUM EXECUTRIX OF THE WILL OF DAN W. SLOCUM, DECEASED.
[Signed] C. A. Baer
Well Driller
License No. ____ Dated Jan. 5,

DWR 188

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No.________
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water C.)

STATE OF CALIFORNIA

Do Not Fill In
№ 66567
State Well No.___
Other Well No. 30/26E-

Continental Carbon Company

(1) OWNER:
Name The Ralph M. Parsons Company
Address 617 West 7th Street
Los Angeles 17, California

(2) LOCATION OF WELL: Well No.2
County Kern Owner's number, if any Carbon Black Plant
R.F.D. or Street No. Contract 1-SC-1852-1-R1
1/4 mile East of Superior Road
1/2 mile South of Stockdale Highway

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	402	10"	10ga.

If gravel packed: Yes

Diameter of Bore	from ft.	to ft.
20"	0	72
15 3/4"	72	402

Type and size of shoe or well ring: Point
Size of gravel: 1/8" to 3/8"
Describe joint: Welded

(7) PERFORATIONS:
Type of perforator used: Clean cut
Size of perforations 1" in., length, by 1/8" in.

From ft.	to ft.	Perf. per row	Rows per ft.
82	402	3" Centers	

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 72 ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From 0 ft. to 72 ft. 16inch 12 ga.
Conductor pipe.
Method of Sealing: Cemented in.

(9) WATER LEVELS: Farm Implement & Engine Co.
Depth at which water was first found 72 ft.
Standing level before perforating ft.
Standing level after perforating 72 ft.

(10) WELL TESTS:
Was a pump test made? ☒ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:
Total depth 402 ft. Depth of completed well 402 ft.
Formation: Describe by color, character, size of material, and structure

From ft.	to ft.	Formation
0	6	Sandy soil
6	12	Yellow clay
12	21	Sand
21	30	Yellow clay
30	45	Sand
45	53	Yellow clay
53	68	Sand
68	80	Yellow clay
80	95	Medium sand
95	103	Yellow clay
103	120	Medium sand
120	130	Yellow clay
130	148	Coarse sand
148	160	Yellow clay
160	168	Coarse sand
168	180	Yellow clay
180	200	Coarse sand
200	212	Yellow clay
212	225	Coarse sand
225	238	Yellow clay
238	252	Coarse sand
252	262	Yellow clay
262	275	Coarse sand
275	283	Yellow clay
283	295	Coarse sand
295	310	Yellow clay
310	318	Coarse sand
318	332	Yellow clay
332	345	Coarse sand
345	355	Yellow clay
355	368	Coarse sand
368	375	Yellow clay
375	384	Coarse sand
384	390	Yellow clay
390	399	Coarse sand
399	402	Yellow clay

CONFIDENTIAL
Section 7076, Water Code

Work started 12-22 1960. Completed 1-12, 1961

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME D.W. Slocum Water Well Drilling
(Person, firm, or corporation) (Typed or printed)
Address 1900 Ming Road
Bakersfield, California

MARY E. SLOCUM, EXECUTRIX OF THE WILL OF DAN W. SLOCUM, DECEASED. C.A. B[illegible]
Well Driller
License No.________ Dated Jan. 11, 1961

Ref 8

RESOLUTION
Industrial Waste Discharge Requirements
Continental Carbon Company
Kern County

Resolution No. 61-76 Adopted: 7/20/61

WHEREAS, Continental Carbon Company proposes to construct facilities for disposal of industrial waste effluent from heir Carbon Black Manufacturing Plant; and

WHEREAS, the Continental Carbon Company Plant is located about 12 miles west of Bakersfield on Stockdale Highway near Enos Lane in Kern County; and

WHEREAS, it is the intent of the Central Valley Regional Water Pollution Control Board to prevent the disposal from causing a nuisance or a pollution; therefore be it

RESOLVED, that the following requirements shall govern the nature of industrial waste disposal by Continental Carbon Company:

1. The waste discharge shall not cause a nuisance by reason of odors or unsightliness.

2. The waste discharge shall not cause a pollution of adjacent surface or underlying ground waters.

RESOLVED, further, that the discharger may be required to submit technical reports relative to the waste discharge in accordance with the provisions of Section 13055 of Division 7, California Water Code.

If there is any future change in the condition s of the discharge or use of the disposal area, it may be necessary for the Central Valley Regional Water Pollution Control Board to revise these requirements to conform to the new conditions or use.

These requirements do not authorize the commission of any act resulting in injury to the property of another or protect the discharger from his liabilities under Federal, State, or local laws and regulations.

/s/ Dr. A. Frank Brewer
(Chairman)

ATTEST:

/s/ Joseph S. Gorlinski
Executive Officer

REGIONAL WATER POLLUTION CONTROL BOARD
CENTRAL VALLEY REGION
STATE OF CALIFORNIA

Ref 9

RESOLUTION
Domestic Waste Discharge Requirements
Continental Carbon Company
Kern County

Resolution No. 61-75 Adopted: 7/20/61

WHEREAS, Continental Carbon Company proposes to construct facilities for treatment and disposal of change house shower wastes and domestic sewage from their Carbon Black Manufacturing Plant; and

WHEREAS, the Continental Carbon Company Plant is located about 12 miles west of Bakersfield on Stockdale Highway near Enos Lane in Kern County; and

WHEREAS, disposal of effluent will be by sub surface leeching on company property; and

WHEREAS, it is the intent of the Central Valley Regional Water Pollution Control Board to prevent the disposal from causing a nuisance or a pollution; therefore be it

RESOLVED, that the following requirements shall govern the nature of domestic waste disposal by Continental Carbon Company:

1. Neither the treatment facilities nor the waste discharge shall cause a nuisance by reason of odors or unsightliness.

2. The waste discharge shall not cause a pollution of adjacent surface or underlying ground waters.

RESOLVED, further, that the discharger may be required to submit technical reports relative to the waste discharge in accordance with the provisions of Section 13055 of Division 7, California Water Code.

If there is any future change in the conditions of the discharge or use of the Disposal Area, it may be necessary for the Central Valley Regional Water Pollution Control Board to revise these requirements to conform to the new conditions or use.

These requirements do not authorize the commission of any act resulting in injury to the property of another or protect the discharger from his liabilities under Federal, State, or Local laws and regulations.

/s/ Dr. A. Frank Brewer
Chairman

ATTEST:

/s/ Joseph S. Gorlinski
Executive Officer

CENTRAL VALLEY REGIONAL WATER POLLUTION CONTROL BOARD
STATE OF CALIFORNIA

Ref 10

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. 77-65

RESCINDING VARIOUS WASTE DISCHARGE REQUIREMENTS

The California Regional Water Quality Control Board, Central Valley Region, finds that, at various times, the Board adopted the following resolutions which are no longer applicable for the reasons shown:

a. Resolution No. 61-75, adopted 20 July 1961, established waste discharge requirements for a domestic waste discharge from a septic tank - percolation system at the Continental Carbon Company's Bakersfield plant. As the waste discharge is adequately regulated by the Kern County Health Department the Resolution is no longer necessary.

b. Resolution No. 60-10, adopted 18 February 1960, prescribes requirements for a discharge of wastes to Lindsay Slough from the California Packing Corporation on the Hastings Ranch, Solano County. The packing shed is no longer operating and the property is under control of a new owner who concurs with rescission.

c. Resolution No. 67-112, adopted 14 April 1967, prohibits the direct discharge of domestic wastewaters from the Delta Yacht Harbor to the waters of Stockton Harbor, San Joaquin County. The Delta Yacht Harbor was removed from the McLeod Lake Area during the development of the City of Stockton's Civic Center Marina Area.

d. Resolution No. 67-111, adopted 14 April 1967, prohibits the direct discharge of domestic wastewaters from the Uptown Yacht Harbor to the waters of Stockton Harbor, San Joaquin County. The Uptown Harbor was relocated to new facilities on the south side of the Stockton Channel during the development of the City of Stockton's Civic Center Marina Area. The Bank of Stockton subsequently obtained the assets of Uptown Yacht Harbor, Inc., and now operates the dock facilities as the "Yacht Harbor". Domestic wastewater from the Yacht Harbor office and from a holding tank pumpout facility are discharged to the City sewer system.

IT IS HEREBY ORDERED, that the above waste discharge requirements resolutions be rescinded.

I, JAMES A. ROBERTSON, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Central Valley Region, on 22 April 1977.

Original signed by
James A. Robertson

JAMES A. ROBERTSON, Executive Officer

Ref 11

ATTACHMENT 1
SITE TRACKING SHEET

Site Name: CONTINENTAL CARBON CO.

Site Location: ROUTE 4, BOX 423K STOCKDALE HIGHWAY
BAKERSFIELD CA. 93307 KERN CO.

Site ID Number: 15-28-0242

Site Screening _____ **PA** 11-23-87 **SI** _____

Action Summary:
SEE ATTACHED.

Recommendation: EPA - NFA
STATE - MED PRIORITY SITE INSPECTION

Rationale/Supporting Documentation: _____

Supervisor: C A McLaughlin **Preparer:** S. FLINT

Hours Spent: 85 **Date:** 12-7-87

ASP 001
10/86

EXECUTIVE SUMMARY

The Continental Carbon Co. site (site) is located approximately 13.5 miles west of Bakersfield, in Kern County, California. Continental Carbon Company operated a carbon black production facility at the site for approximately 19 years. During that time, waste disposal practices included direct discharge of process wash waters to at least three open percolation ponds. Disposal of unspecified types and quantities of laboratory reagents to a sanitary septic tank and leach system was also reported. Currently, soils on the site and the adjacent property are contaminated with particulate carbon black residues.

The California Department of Health Services (DHS) Abandoned Site Project identified the site by phone book on September 24, 1982. A Site Drive-by on February 8, 1983 reported that the plant was being dismantled. Concern was expressed about the presence of and disposal of asbestos, which was used on-site as insulating material for pipes in the processing building. Additional information is required to resolve this concern. Further information is also required to better understand the nature of the industrial wastes that were disposed of on-site to assess the health risks from the direct contact and/or inhalation of particulate carbon black residues on the soil surface.

Recommendation at the Federal level is No Further Action under CERCLA. Analysis of the HRS factors indicate that the site will not score high enough for inclusion on the National Priorities List (NPL). Recommendation at the State level includes a medium priority site inspection (SI). The SI should gather additional information to address the data gaps as outlined above.

Ref 12

ABANDONED SITE PROGRAM DRIVE-BY RECORD

Site Name: CONTINENTAL CARBON CO.

Site Location: BOX 423 K STOCKDALE HIGHWAY. BAKERSFIELD CA. 93307 KERN COUNTY

Facility File Number: 15-28-0242

1. Status a. Active ( ) b. Different Company ( )
   Inactive (X)

2. Setting a. Urban ( ) b. Residential ( ) c. Near: RR tracks (X)
   Suburban ( ) Commercial ( ) Drainage ( )
   Rural (X) Industrial ( ) Freeway ( )
   Agricultural (X) Other ____ Other ____

   d. Paved ( ) e. Restricted access (X)
   Unpaved ( ) Unrestricted access ( )
   Partially paved (X)

3. Waste a. Hazardous ( ) b. Liquid ( ) c. Undetermined ( )
   Municipal/Garbage ( ) Sludge ( ) None visible ( )
   Inert (X) Solid ( ) Other ____

4. Waste Containment a. Pond (X) b. Drum/Bbl ( ) d. To: Ground (X)
   Sump ( ) Pail/Can ( ) Paving ( )
   Pit ( ) Trash can ( ) Drain ( )
   Dumpster ( ) Other ____
   Box/Pallet ( )
   c. Piled ( ) Bag/Sack ( ) Tanks ( )
   Scattered (X) Vehicle ( ) Others ____

5. Misc. a. Odors NONE c. Vegetation ____
   b. Topography FLAT d. Site observability EXCELLENT

6. Estimate the number of people living and/or working in the immediate vicinity of the site. 8 DWELLINGS TO N IMMEDIATELY ACROSS HIGHWAY

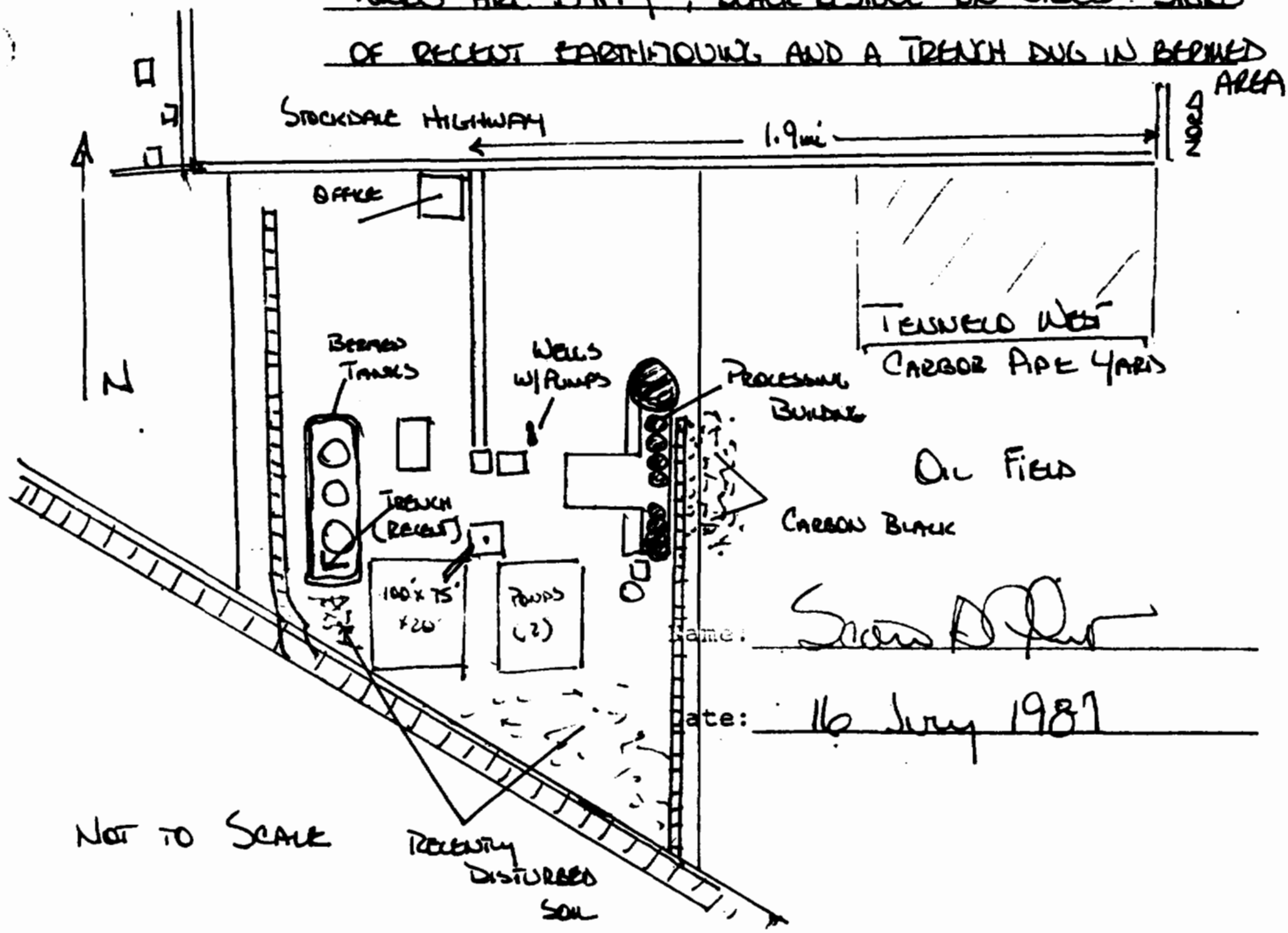
7. Estimate the distance to food processing/packaging or agricultural production. IMMEDIATELY ADJACENT TO NE.

8. Any schools, hospitals, nursing homes, day care centers, or other "sensitive" populations within NONE.

9. Proximity to sensitive environment/ecosystem _____.

10. Map & Comments — A graphic site description. In addition to above, draw, describe, and comment on the following: buildings, paving, storage (raw material and products), security, vacant areas, and housekeeping. Also identify streets, landmarks, directions, etc.

SITE IS 1.9 MI WEST OF NOBD RD. ON S. SIDE OF HIGHWAY. ROAD IS PAVED ? PART OF RAILROAD SPUR EAST OF BUILDINGS. PROCESSING BUILDING & RAIL SPUR ; GROUND COVERED W/ CARBON BLACK. SITE IS FENCED & LOCKED, POSTED NO TRESPASSING. PONDS ARE EMPTY, BLACK RESIDUE ON SIDES. SIGNS OF RECENT EARTHMOVING AND A TRENCH DUG IN BERMED AREA



Name: [signature]

Date: 16 July 1987

Ref 13

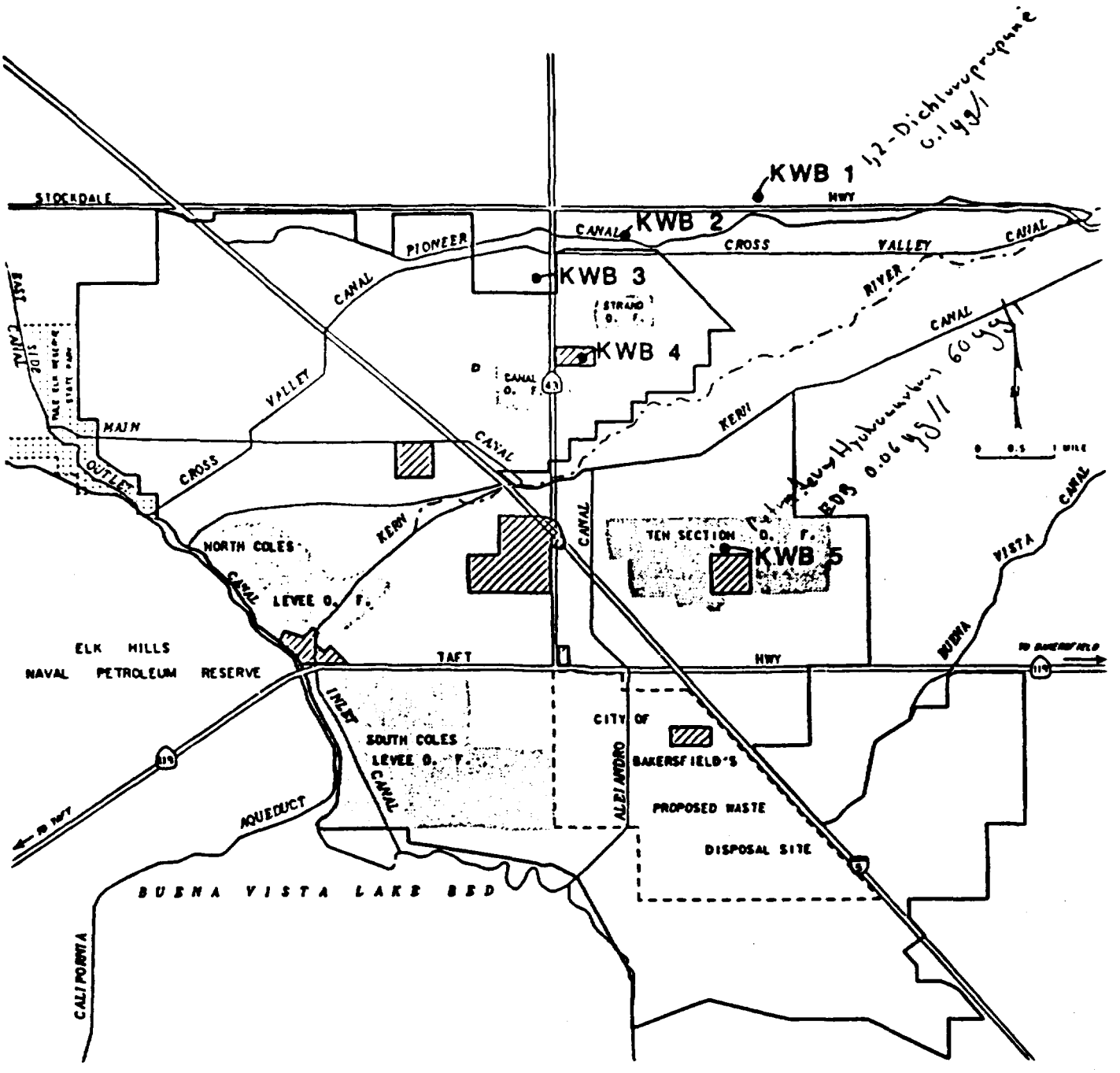
Appraisal Level Investigation
For
California Department Of Water Resources

KERN WATER BANK TOXICS ASSESSMENT STUDY

Final Report

Prepared by
Camp Dreeser & McKee Inc.

August 1987



Legend

- OWNED BY OTHERS
- OIL FIELD

Source: Final EIR, Artificial Recharge, Storage, and Overdraft Correction Program, Kern County, California December 1986

KERN WATER BANK TOXICS ASSESSMENT STUDY

WATER WELL SAMPLING LOCATIONS

CDM

Figure 6-9

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of GC/MS Analysis for
VOLATILE ORGANICS
in Water

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50113
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Analyzed: 6/24/87

Date Received: 6/15/87

Lab Number: H61676
Sample I.D.: KWB1

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
VOLATILE PRIORITY POLLUTANTS:		
Acrolein	**ND**	**1.0**
Acrylonitrile	**ND**	**1.0**
Benzene	**ND**	**0.1**
Bromoform	**ND**	**0.1**
Carbon Tetrachloride	**ND**	**0.1**
Chlorobenzene	**ND**	**0.1**
Dibromochloromethane	**ND**	**0.1**
Chloroethane	**ND**	**1.0**
2-Chloroethylvinylether	**ND**	**1.0**
Chloroform	**ND**	**0.1**
Dichlorobromomethane	**ND**	**0.1**
1,1-Dichloroethane	**ND**	**0.1**
1,2-Dichloroethane	**ND**	**0.1**
1,1-Dichloroethene	**ND**	**0.1**
1,2-Dichloropropane	**0.1**	**0.1**
Ethylbenzene	**ND**	**0.1**
Methyl Bromide	**ND**	**1.0**
Methyl Chloride	ND	1.0
Methylene Chloride	ND	1.0
1,1,2,2-Tetrachloroethane	ND	0.1
Tetrachloroethene	ND	0.1

Detection level = 1.0

ND: Not Detected
NA: Not Analyzed

Approved by Charles J. Feeney

APPROVED
JUN 30 1987
QC OFFICER

Report of GC/MS Analysis for VOLATILE ORGANICS in Water

Lab Number: H61676
Sample I.D.: KWB1

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
VOLATILE PRIORITY POLLUTANTS (continued):		
Toluene	ND	0.5
1,1,1-Trichloroethane	ND	0.1
1,1,2-Trichloroethane	ND	0.1
Trichloroethene	ND	0.1
Vinyl Chloride	ND	1.0
trans-1,3-Dichloropropene	ND	0.1
cis-1,3-Dichloropropene	ND	0.1
trans-1,2-Dichloroethene	ND	0.1
Trichlorofluoromethane	ND	1.0
VOLATILE NON-PRIORITY POLLUTANTS:		
Acetone	ND	1.0
Methylethylketone	ND	1.0
Tetrahydrofuran	ND	1.0
m,p-Xylenes	ND	0.1
o-Xylene	ND	0.1
Styrene	ND	0.5
cis-1,2-Dichloroethene	ND	0.1
NON-VOLATILE PRIORITY POLLUTANTS:		
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5

ND: Not Detected
NA: Not Analyzed

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555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of GC/MS Analysis for
VOLATILE ORGANICS
in Water

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50114
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Analyzed: 6/24/87

Date Received: 6/15/87

Lab Number: H61677
Sample I.D.: KWB2

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
VOLATILE PRIORITY POLLUTANTS:		
Acrolein	ND	1.0
Acrylonitrile	ND	1.0
Benzene	ND	0.1
Bromoform	ND	0.1
Carbon Tetrachloride	ND	0.1
Chlorobenzene	ND	0.1
Dibromochloromethane	ND	0.1
Chloroethane	ND	1.0
2-Chloroethylvinylether	ND	1.0
Chloroform	ND	0.1
Dichlorobromomethane	ND	0.1
1,1-Dichloroethane	ND	0.1
1,2-Dichloroethane	ND	0.1
1,1-Dichloroethene	ND	0.1
1,2-Dichloropropane	ND	0.1
Ethylbenzene	ND	0.1
Methyl Bromide	ND	1.0
Methyl Chloride	ND	1.0
Methylene Chloride	ND	1.0
1,1,2,2-Tetrachloroethane	ND	0.1
Tetrachloroethene	ND	0.1

ND: Not Detected
NA: Not Analyzed

Approved by Charles J. Kong

APPROVED
JUN 30 1987
QC OFFICER

Report of GC/MS Analysis for VOLATILE ORGANICS in Water

Lab Number: H61677
Sample I.D.: KWB2

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
VOLATILE PRIORITY POLLUTANTS (continued):		
Toluene	ND	0.5
1,1,1-Trichloroethane	ND	0.1
1,1,2-Trichloroethane	ND	0.1
Trichloroethene	ND	0.1
Vinyl Chloride	ND	1.0
trans-1,3-Dichloropropene	ND	0.1
cis-1,3-Dichloropropene	ND	0.1
trans-1,2-Dichloroethene	ND	0.1
Trichlorofluoromethane	ND	1.0
VOLATILE NON-PRIORITY POLLUTANTS:		
Acetone	ND	1.0
Methylethylketone	ND	1.0
Tetrahydrofuran	ND	1.0
m,p-Xylenes	ND	0.1
o-Xylene	ND	0.1
Styrene	ND	0.5
cis-1,2-Dichloroethene	ND	0.1
NON-VOLATILE PRIORITY POLLUTANTS:		
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5

ND: Not Detected
NA: Not Analyzed

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of GC/MS Analysis for
BASE/NEUTRAL EXTRACTABLE ORGANICS
in Water

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50111
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Extracted: 6/23/87
Date Received: 6/15/87
Date Analyzed: 6/30/87

Lab Number: H61676
Sample I.D.: KWB1

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
BASE/NEUTRAL EXTRACTABLE-PRIORITY POLLUTANTS:		
Anthracene	ND	5.0
Benzo(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	10
Benzo(k)fluoranthene	ND	5.0
Chrysene	ND	5.0
Dibenzo(a,h)anthracene	ND	10
Fluoranthene	ND	5.0
Indeno(1,2,3-c,d)pyrene	ND	10
Phenanthrene	ND	5.0
Pyrene	ND	5.0

ND: Not Detected

Approved by:_____

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of GC/MS Analysis for
BASE/NEUTRAL EXTRACTABLE ORGANICS
in Water

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50112
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Extracted: 6/23/87

Date Received: 6/15/87
Date Analyzed: 6/30/87

Lab Number: H61677
Sample I.D.: KWB2

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
BASE/NEUTRAL EXTRACTABLE-PRIORITY POLLUTANTS:		
Anthracene	ND	5.0
Benzo(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	10
Benzo(k)fluoranthene	ND	5.0
Chrysene	ND	5.0
Dibenzo(a,h)anthracene	ND	10
Fluoranthene	ND	5.0
Indeno(1,2,3-c,d)pyrene	ND	10
Phenanthrene	ND	5.0
Pyrene	ND	5.0

ND: Not Detected
NA: Not Analyzed

Approved by: _____

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Analysis for
TOTAL PETROLEUM HYDROCARBONS (Modified 8015)

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50121
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Analyzed: 6/24-27/87

Date Received: 6/15/87

Lab#	Sample Description	Total Hydrocarbons (milligrams/liter)
H61676	KWB1	<0.05
H61677	KWB2	<0.05

NA: Not analyzed
ND: Not detected
Minimum detection limit = 0.05 milligrams/liter

Approved by Carole A Leong

APPROVED
JUN 29 1987
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Inorganic Analyses

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50110
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Completed: 6/30/87

Date Received: 6/15/87

Lab#	Sample I.D.	B mg/l	Br mg/l	Alpha pCi/L	2Sigma pCi/L	Beta pCi/L	2Sigma pCi/L	Radon pci/l
H61676	KWB1	<0.027	0.36	7.6	2.1	3.6	1.7	425
H61677	KWB2	<0.027	<0.1	0.9	0.5	0.3	0.5	480

Lab#	Sample I.D.	U mg/l
H61676	KWB1	NA
H61677	KWB2	NA

NA: Not Analyzed

Approved by _____

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of General Mineral Analysis

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50115
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Completed: 6/29/87

Date Received: 6/15/87

Sample Lab Number: H61676 Sample ID: KWB1

CATIONS:	(mg/l)	(meq/l)	ANIONS:	(mg/l)	(meq/l)
			Bicarbonate	112	1.83
Sodium	21.6	0.939	Carbonate	0.164	0.00547
Potassium	0.70	0.0179	Chloride	21	0.592
Calcium	36.1	1.81	Sulfate	23	0.479
Magnesium	2.5	0.208	Nitrate-N	1.8	0.129
			Fluoride	0.17	0.00895
			Hydroxide	0.00	0.00

CATION SUM = 2.97 meq/l **ANION SUM = 3.04 meq/l**

OTHER WATER QUALITY PARAMETERS DETERMINED (mg/l):

pH (unitless)	7.4	Copper	<0.007
Conductance (umho/cm)	305	Iron	<0.030
Alkalinity	92	Manganese	<0.012
TDS	180	Surfactants	0.02
Hardness	101	Zinc	0.015
Langelier Index	-.48	Arsenic	<0.001
pH of CaCO3 saturation (25C)	7.88	Barium	0.045
pH of CaCO3 saturation (60C)	7.36	Cadmium	<0.003
Free CO2 (25C)	8.92	Total Chromium	<0.029
		Silver	<0.005
Mercury	<0.0002	Lead	<0.002
Total Selenium	<0.001		

NA: Not Analyzed ND: Not Detected

Approved by Carole J. Lange

APPROVED
JUN 30 1987
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of General Mineral Analysis

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50116
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Completed: 6/29/87

Date Received: 6/15/87

Sample Lab Number: H61677 Sample ID: KWB2

CATIONS:	(mg/l)	(meq/l)	ANIONS:	(mg/l)	(meq/l)
			Bicarbonate	78.4	1.28
Sodium	45.1	1.96	Carbonate	0.439	0.0146
Potassium	0.10	0.00256	Chloride	15	0.423
Calcium	2.6	0.13	Sulfate	20	0.417
Magnesium	0.10	0.00833	Nitrate-N	<0.06	ND
			Fluoride	0.22	0.0116
			Hydroxide	0.00	0.00

CATION SUM = 2.1 meq/l ANION SUM = 2.15 meq/l

OTHER WATER QUALITY PARAMETERS DETERMINED (mg/l):

pH (unitless)	8.0	Copper	<0.007
Conductance (umho/cm)	215	Iron	<0.030
Alkalinity	65	Manganese	<0.012
TDS	130	Surfactants	0.03
Hardness	6.92	Zinc	0.011
Langelier Index	-1.22	Arsenic	0.01
pH of CaCO3 saturation (25C)	9.22	Barium	<0.012
pH of CaCO3 saturation (60C)	8.68	Cadmium	<0.003
Free CO2 (25C)	1.57	Total Chromium	0.038
		Silver	<0.005
Mercury	<0.0002	Lead	<0.002
Total Selenium	<0.001		

NA: Not Analyzed ND: Not Detected

Approved by Carole J. Leong

APPROVED
JUN 30 1987
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Liquid/Liquid Extraction Analysis for ETHYLENE DIBROMIDE

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50117
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Extracted: 6/18/87
Date Received: 6/15/87
Date Analyzed: 6/26/87

Lab#	Sample I.D.	EDB ug/l
H61676	KWB1	<0.02
H61677	KWB2	<0.02

Tentative identification by capillary chromatography with selective detectors. Confirmation available upon request.
Minimum detection limit: 0.02 ug/l
NA: Not analyzed

Approved by Carl J. Leong

APPROVED
JUN 30 1987
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Analysis for
CARBAMATE PESTICIDES - AB1803

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50119
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Extracted: 6/18/87
Date Received: 6/15/87
Date Analyzed: 6/30/87

Lab Number: H61676
Sample I.D.: KWB1

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
Aldicarb	ND	5.0
Benomyl	ND	100
Carbaryl	ND	1.0
Carbofuran	ND	5.0
CIPC	ND	10
Eptam (EPTC)	ND	10
IPC	ND	10
Methomyl	ND	10
Oxamyl	ND	10
Diuron	ND	1.0

ND: Not Detected
NA: Not Analyzed

Approved by Charles J. Leong

APPROVED
JUL 02 1987
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Analysis for
CARBAMATE PESTICIDES - AB1803

Camp, Dresser & McKee/DWR
2302 Martin St.
Suite 275
Irvine, CA 92715
Attn: Joe LeClaire

Job#/PO#: 437.0923
Workorder#: W12155
Report#: R50120
Phone #: 714-752-5452

Date Sampled: 6/12/87
Date Received: 6/15/87
Date Extracted: 6/18/87
Date Analyzed: 6/30/87

Lab Number: H61677
Sample I.D.: KWB2

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
Aldicarb	ND	5.0
Benomyl	ND	100
Carbaryl	ND	1.0
Carbofuran	ND	5.0
CIPC	ND	10
Eptam (EPTC)	ND	10
IPC	ND	10
Methomyl	ND	10
Oxamyl	ND	10
Diuron	ND	1.0

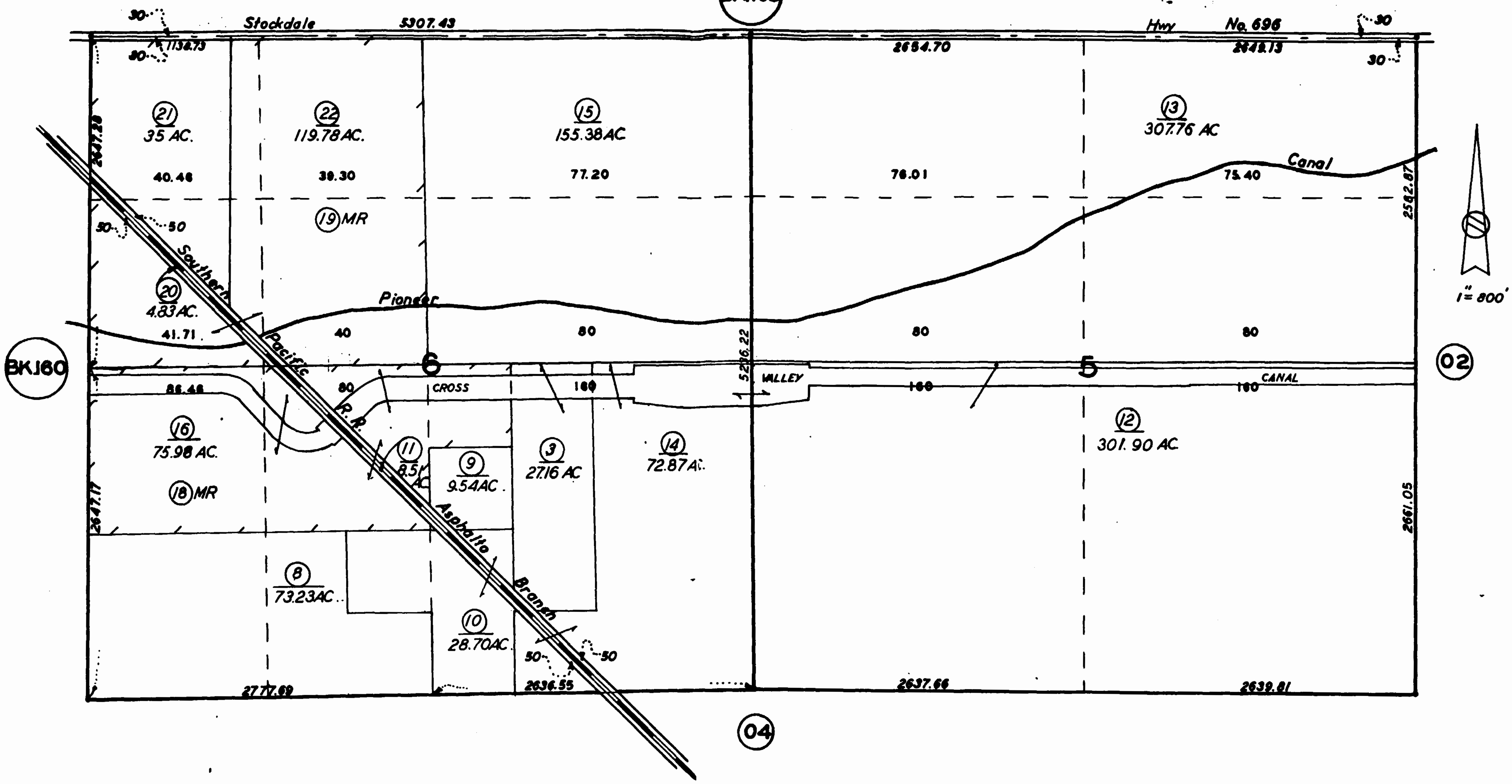
ND: Not Detected
NA: Not Analyzed

Approved by Carole J. Flores

APPROVED
JUL 02 1987
QC OFFICER

T.30S. R.26E.

SCHOOL ST. 114-10 114-20 Ref 14



BK408
Stockdale
5307.43
Hwy No. 696
30
1138.73
2654.70
2642.13
21 35 AC.
22 119.78 AC.
15 155.38 AC
13 307.76 AC
40.46
39.30
77.20
76.01
75.40
Canal
19 MR
50
Southern Pacific R.R.
20 4.83 AC.
41.71
Pioneer
40
80
BK160
6
5
02
CROSS
VALLEY
CANAL
86.46
160
5276.22
16 75.98 AC.
18 MR
11 8.51 AC
9 9.54 AC
3 27.16 AC
14 72.87 AC
12 301.90 AC
Asphalto Branch
8 73.23 AC
10 28.70 AC
2647.28
2647.17
2582.87
2661.05
2777.69
2636.55
2637.66
2639.81
04
1" = 800'

Note: This map is for assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.

ASSESSORS MAP NO. 161-03
COUNTY OF KERN

RoC 15

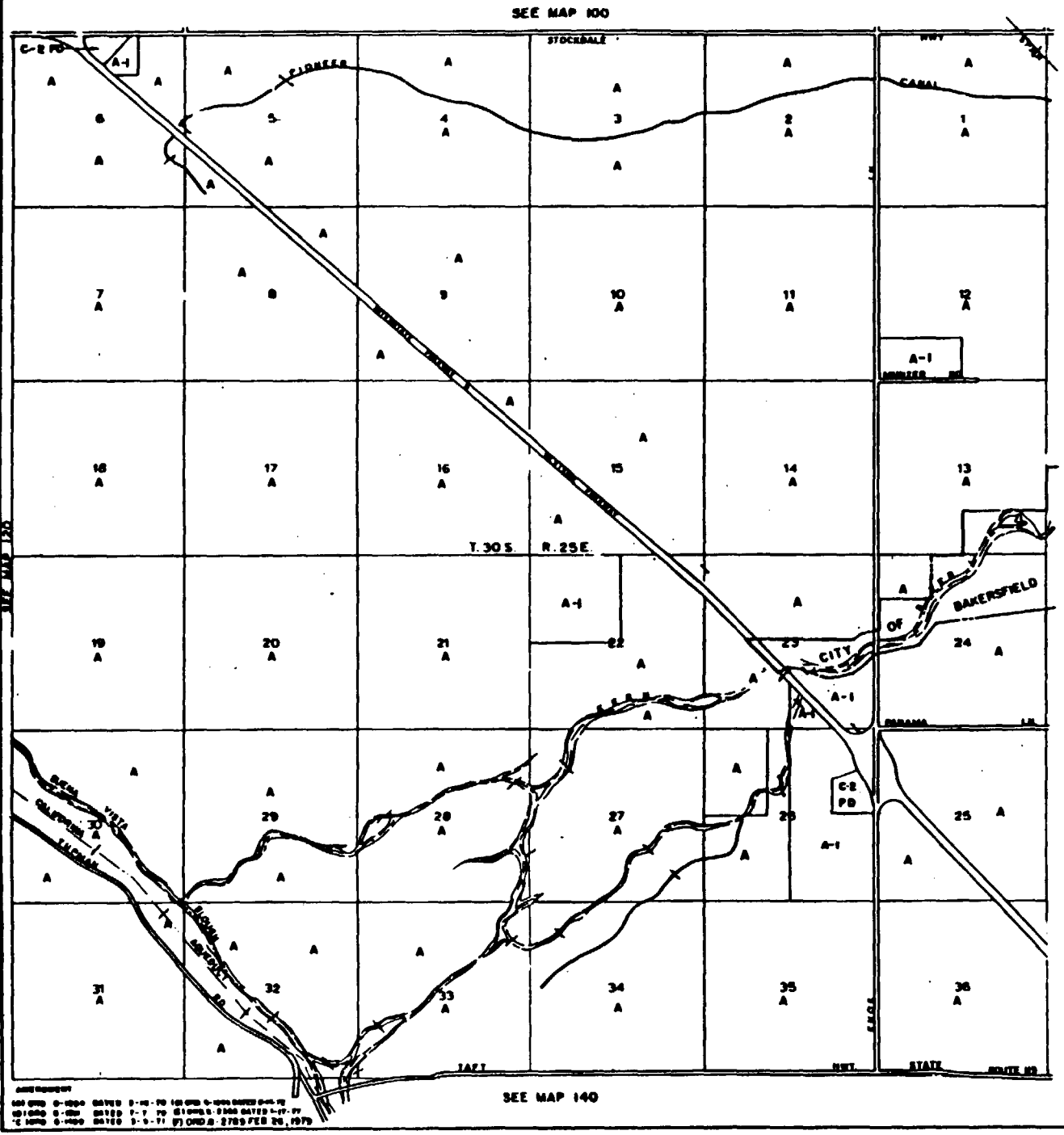
ZONING MAP 121

(SEC. 7292.154.6 OF THE ORDINANCE CODE OF KERN COUNTY)

T.30S., R.25E. MDB & M

KERN COUNTY CALIFORNIA

DEPARTMENT OF PLANNING AND DEVELOPMENT SERVICES



LEGEND

A	(EXCLUSIVE AGRICULTURE)
A-1	(LIMITED AGRICULTURE)
E (1/4)	(ESTATE - 1/4 ACRE)
E (1/2)	(ESTATE - 1/2 ACRE)
E (1)	(ESTATE - 1 ACRE)
E (2 1/2)	(ESTATE - 2 1/2 ACRES)
E (5)	(ESTATE - 5 ACRES)
E (10)	(ESTATE - 10 ACRES)
E (20)	(ESTATE - 20 ACRES)
R-1	(LOW-DENSITY RESIDENTIAL)
R-2	(MEDIUM-DENSITY RESIDENTIAL)
MS	(MOBILEHOME SUBDIVISION-6000 SQ FT)
MP	(MOBILEHOME PARK)
C-1	(NEIGHBORHOOD COMMERCIAL)
C-2	(GENERAL COMMERCIAL)
CH	(HIGHWAY COMMERCIAL)
PD	(PRECISE DEVELOPMENT COMBINING)

WE HEREBY CERTIFY THAT THIS PROPOSED ZONE MAP WAS ADOPTED IN THIS FORM BY RESOLUTION OF THE PLANNING COMMISSION OF THE COUNTY OF KERN, STATE OF CALIFORNIA, AT A REGULAR MEETING THEREOF HELD ON THE 10TH DAY OF JAN 1979

WE HEREBY CERTIFY THAT THIS OFFICIAL ZONE MAP, WAS ADOPTED AS AN AMENDMENT TO THE OFFICIAL "LAND USE ZONING ORDINANCE OF THE COUNTY OF KERN", BY THE BOARD OF SUPERVISORS OF THE COUNTY OF KERN, STATE OF CALIFORNIA, AT A REGULAR MEETING THEREOF, HELD ON THE 8TH DAY OF MARCH 1979 BY ORDINANCE NO 0-2787 PASSED BY SAID BOARD.

Ref 16

AUG 24 1981